

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

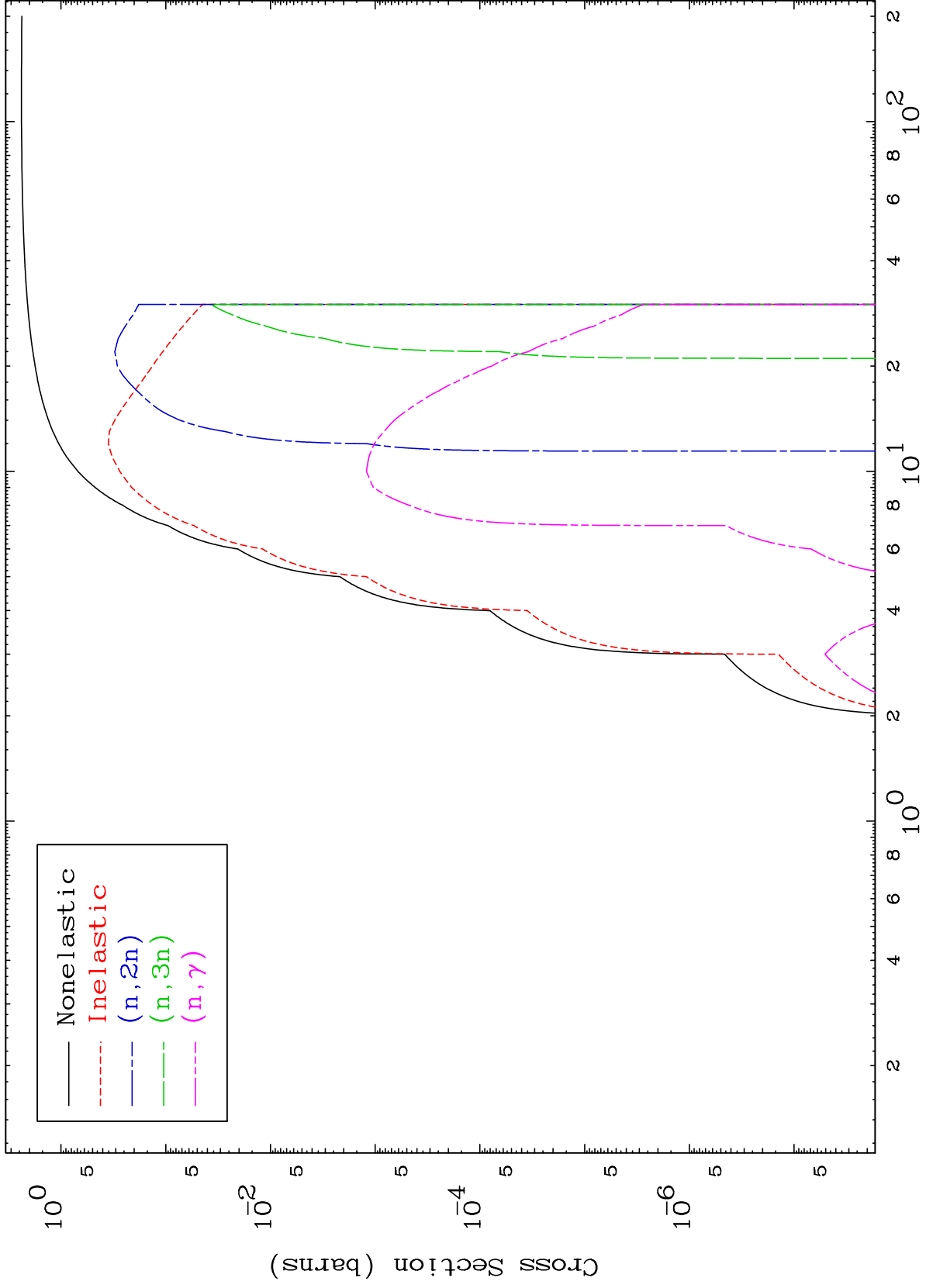
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

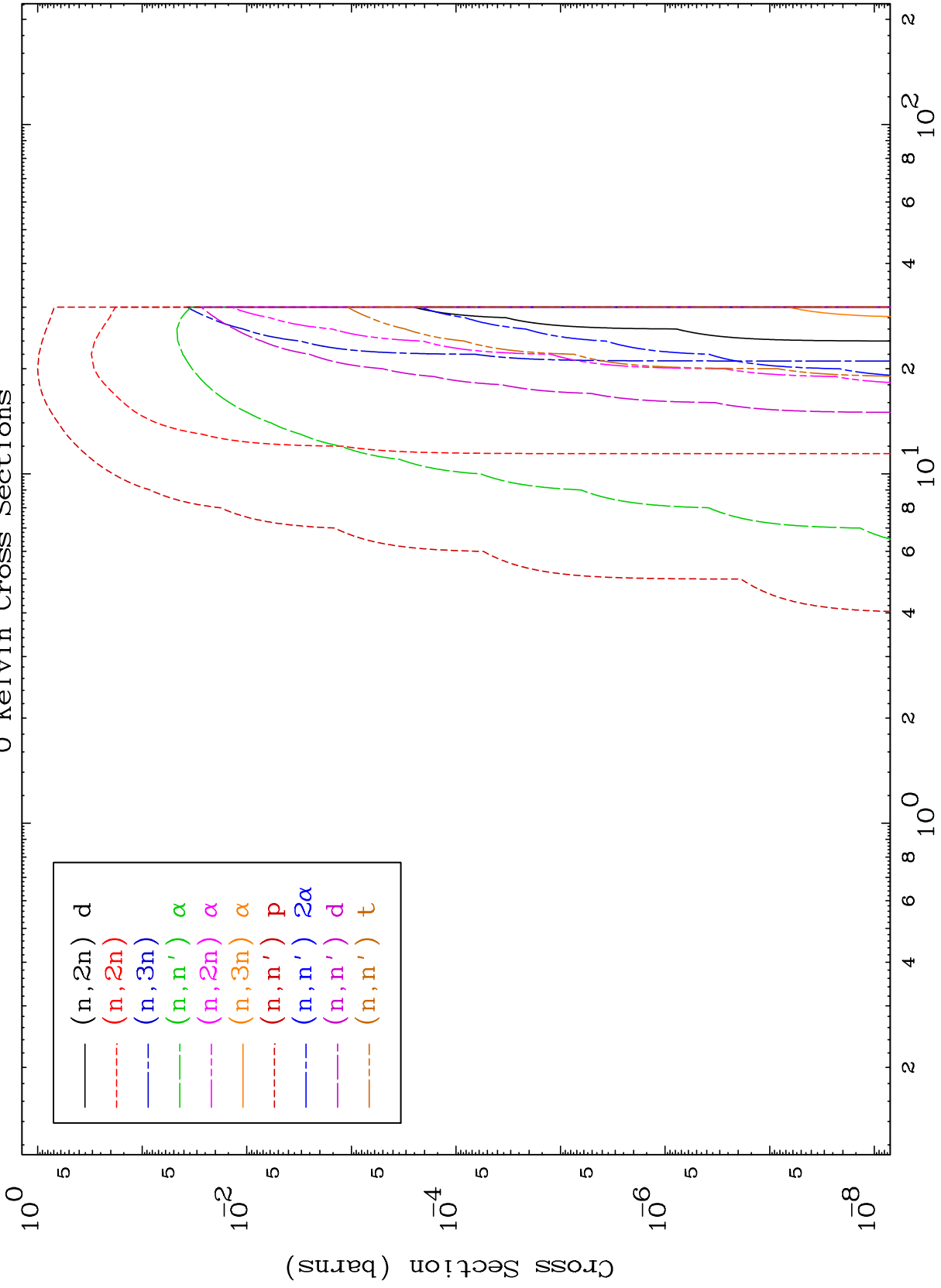
Press Mouse Button to Start

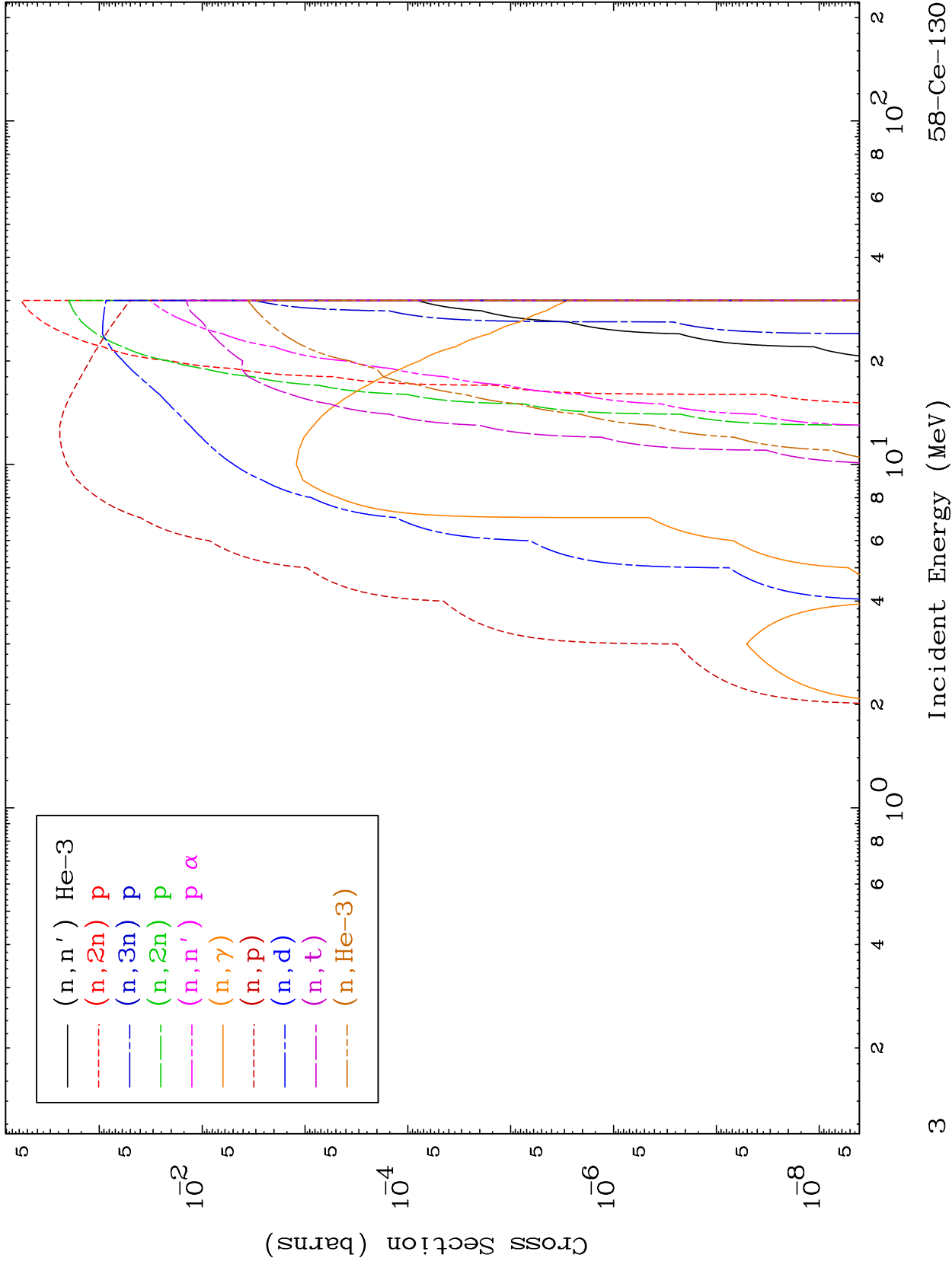


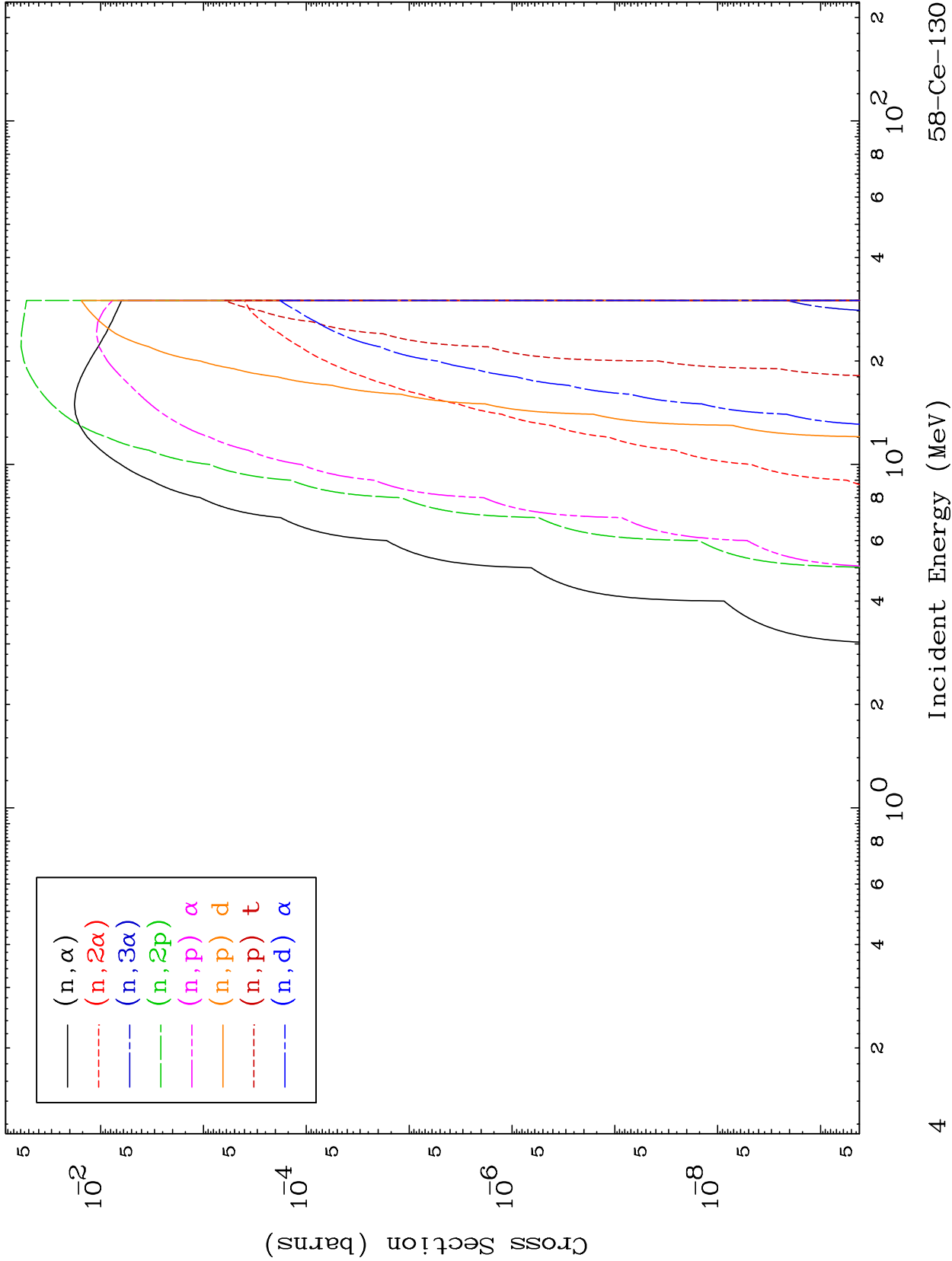
MAT 5807

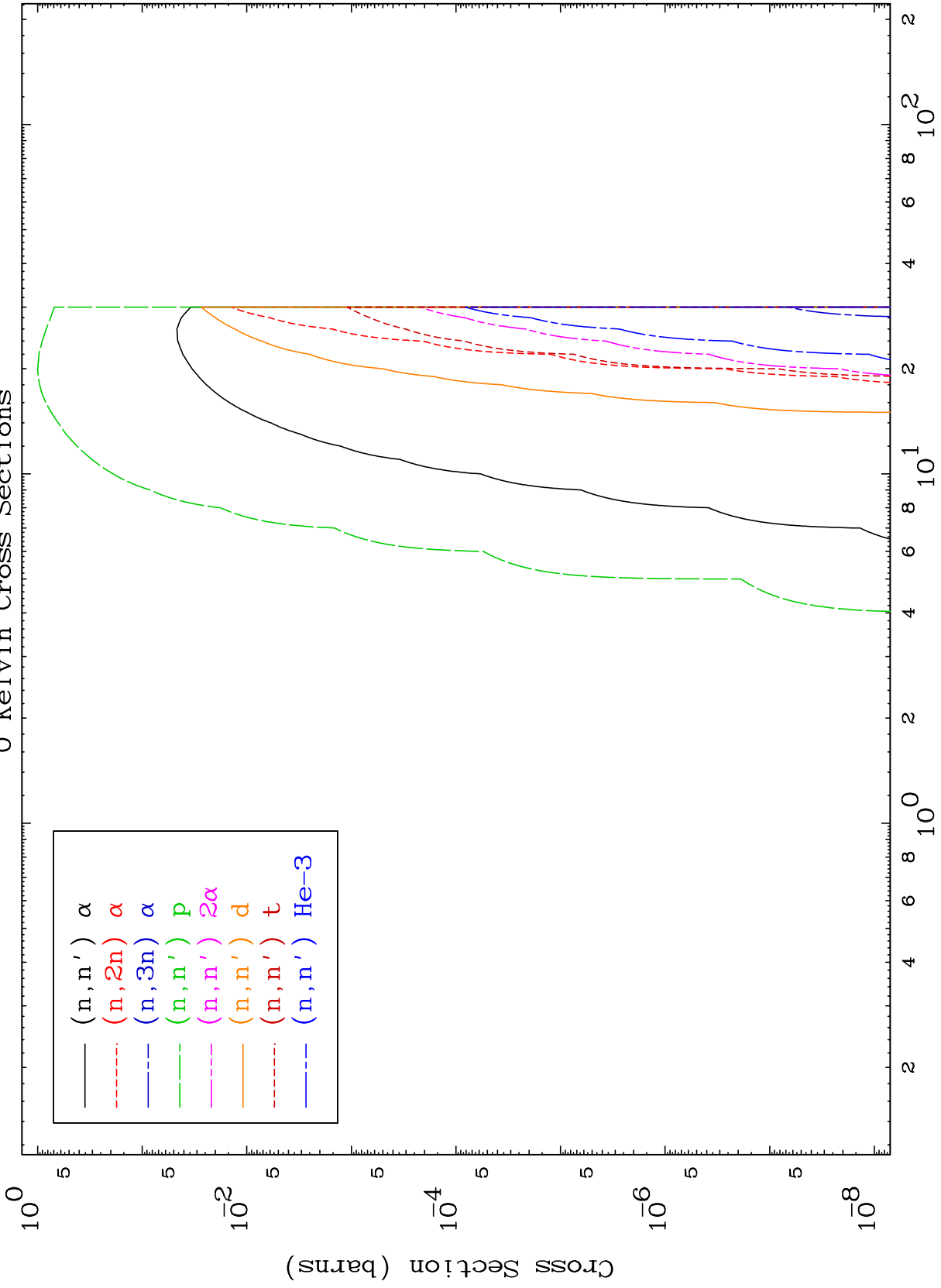
Deuteron Neutron Absorption
0 Kelvin Cross Sections

58-Ce-130





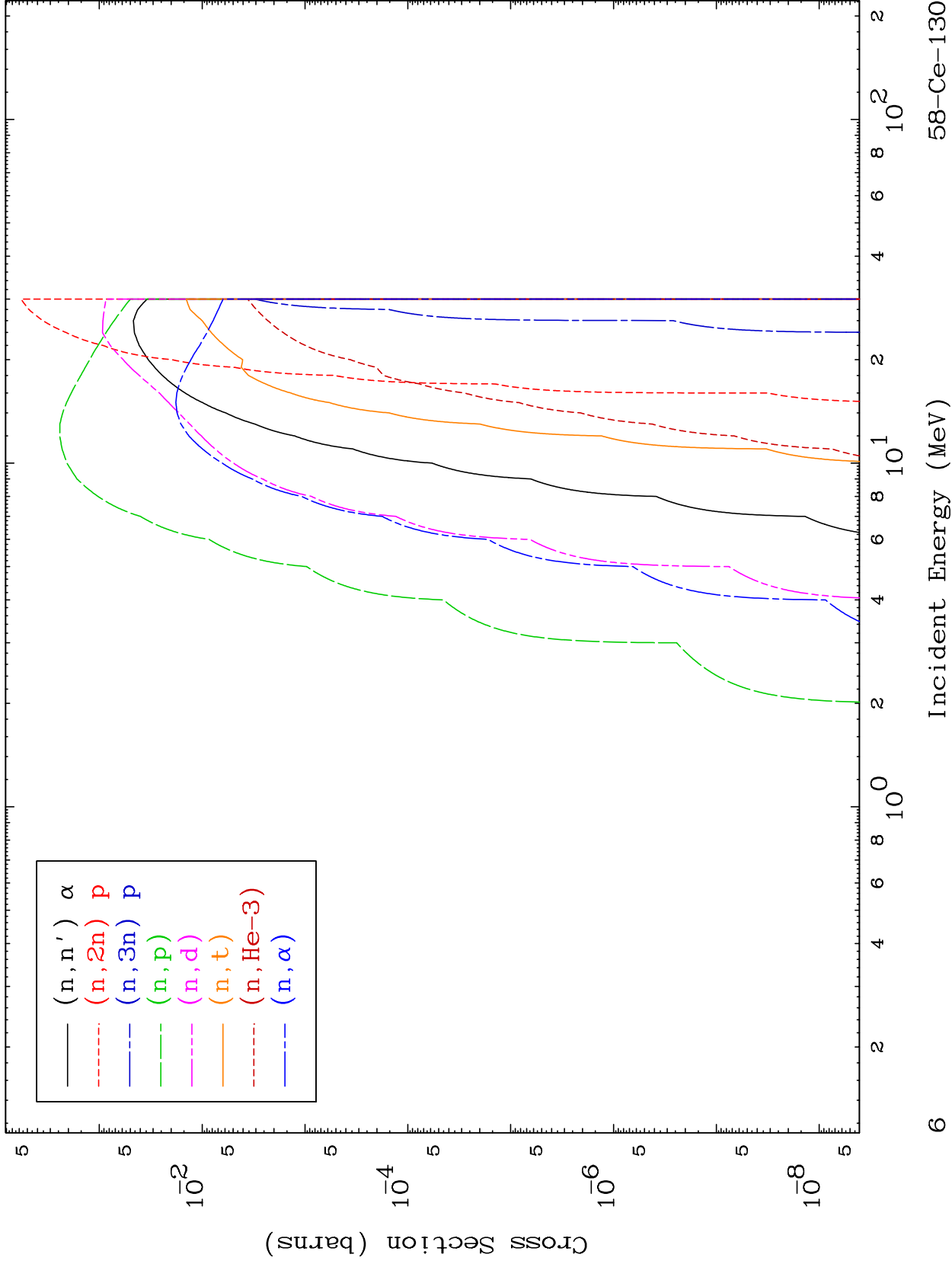


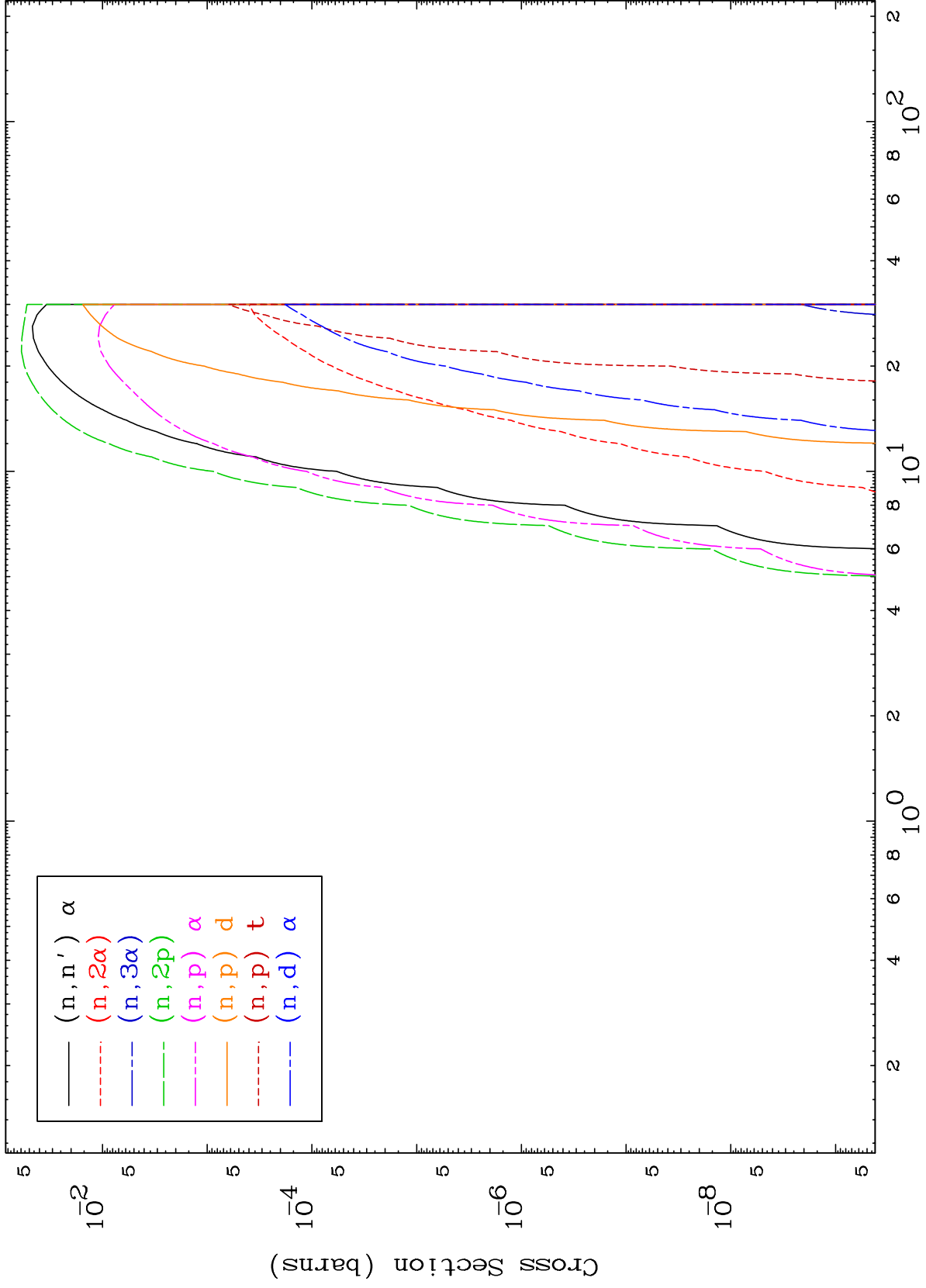


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Deuteron Charged Particle
0 Kelvin Cross Sections

58-Ce-130



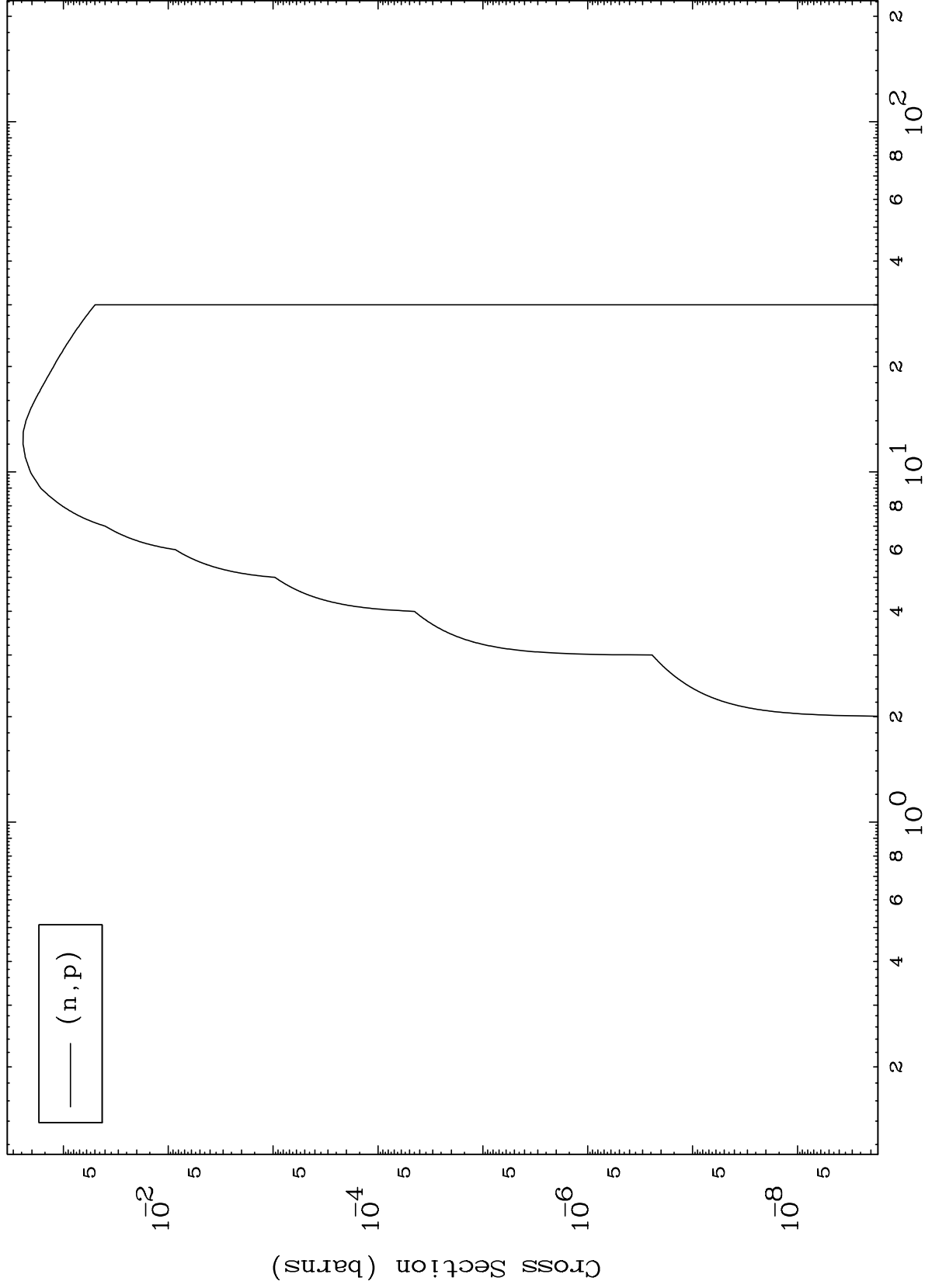


MAT 5807

(d,p) Levels

58-Ce-130

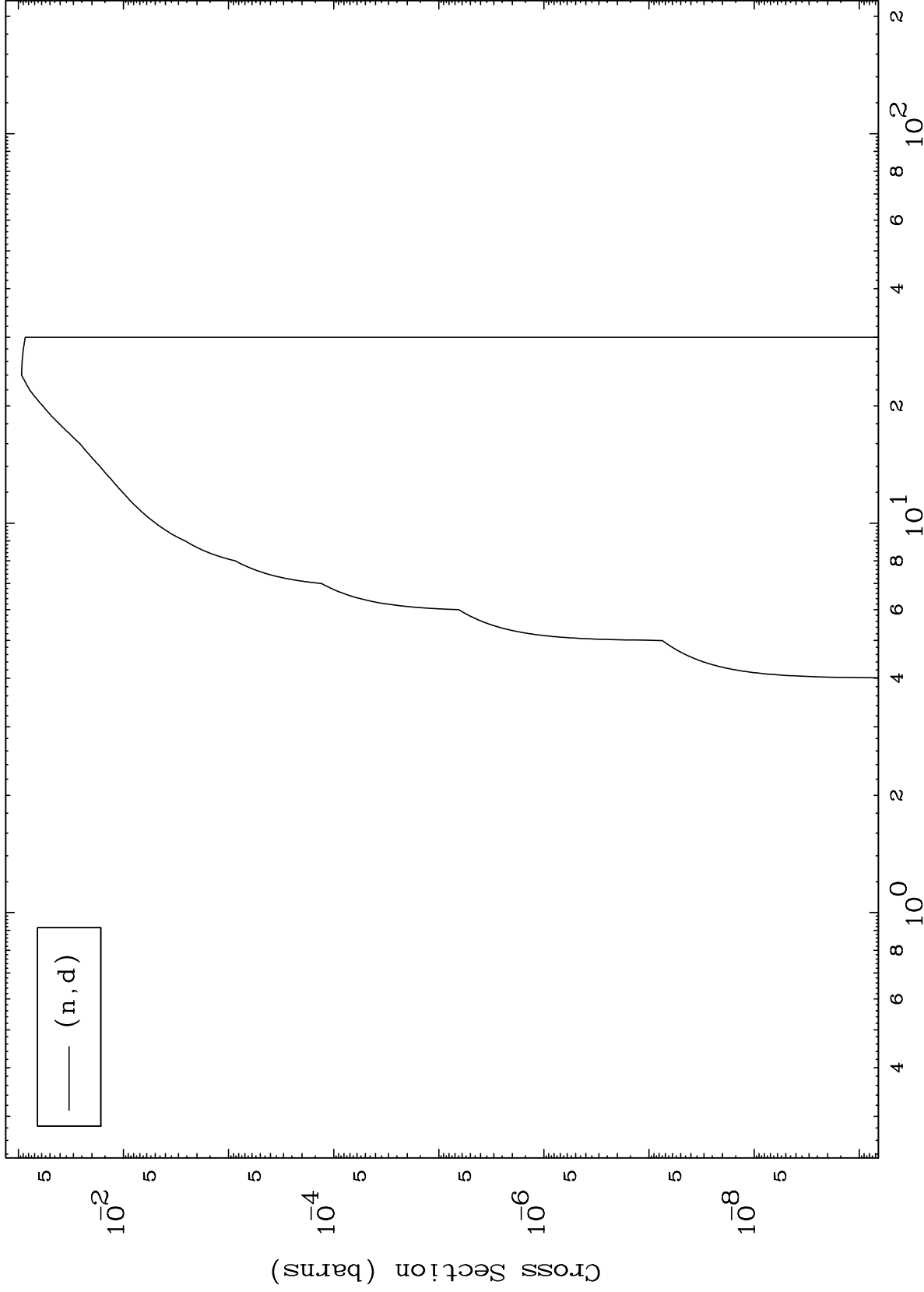
0 Kelvin Cross Sections



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(d,d) Levels
0 Kelvin Cross Sections

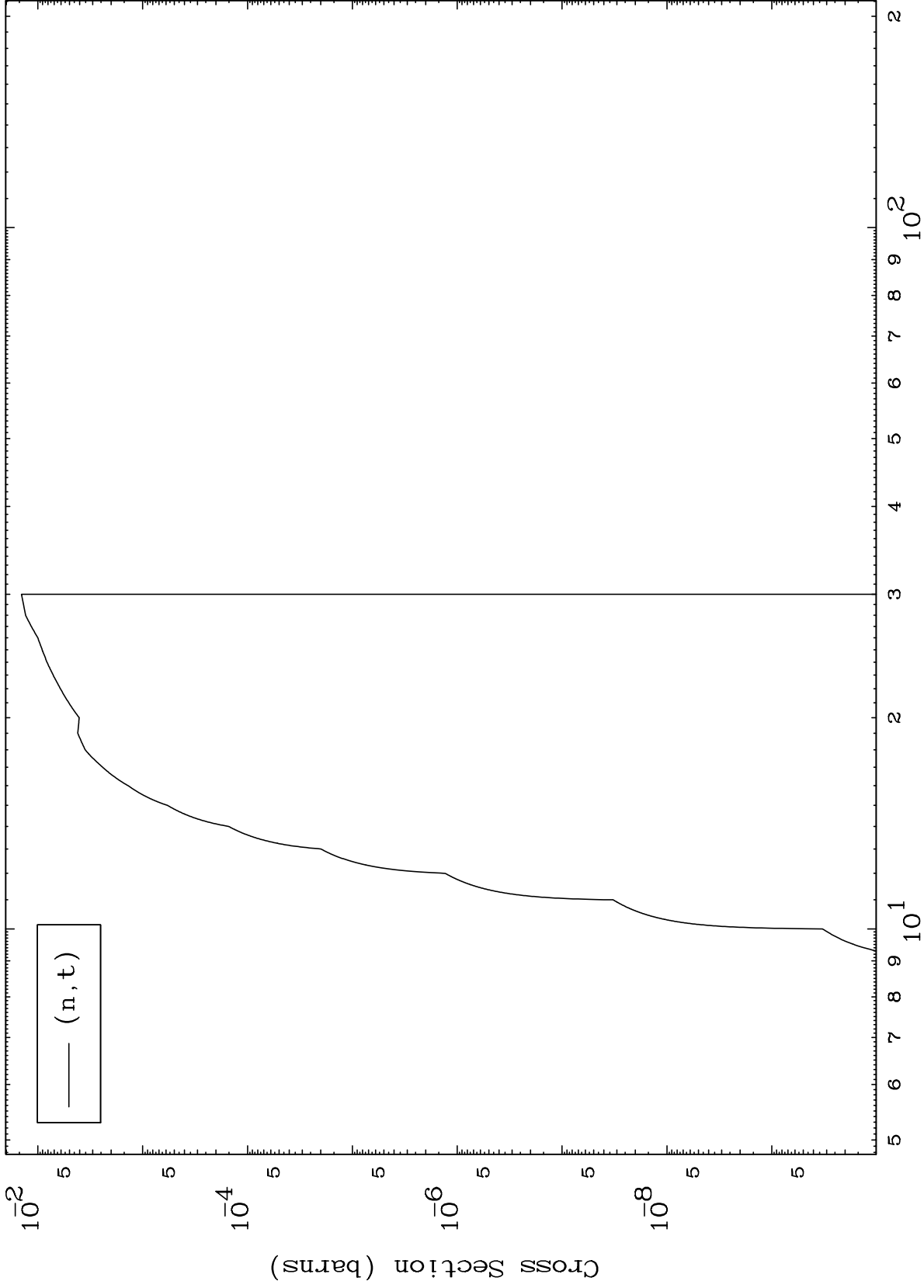
58-Ce-130



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(d,t) Levels
0 Kelvin Cross Sections

58-Ce-130



10

Incident Energy (MeV)

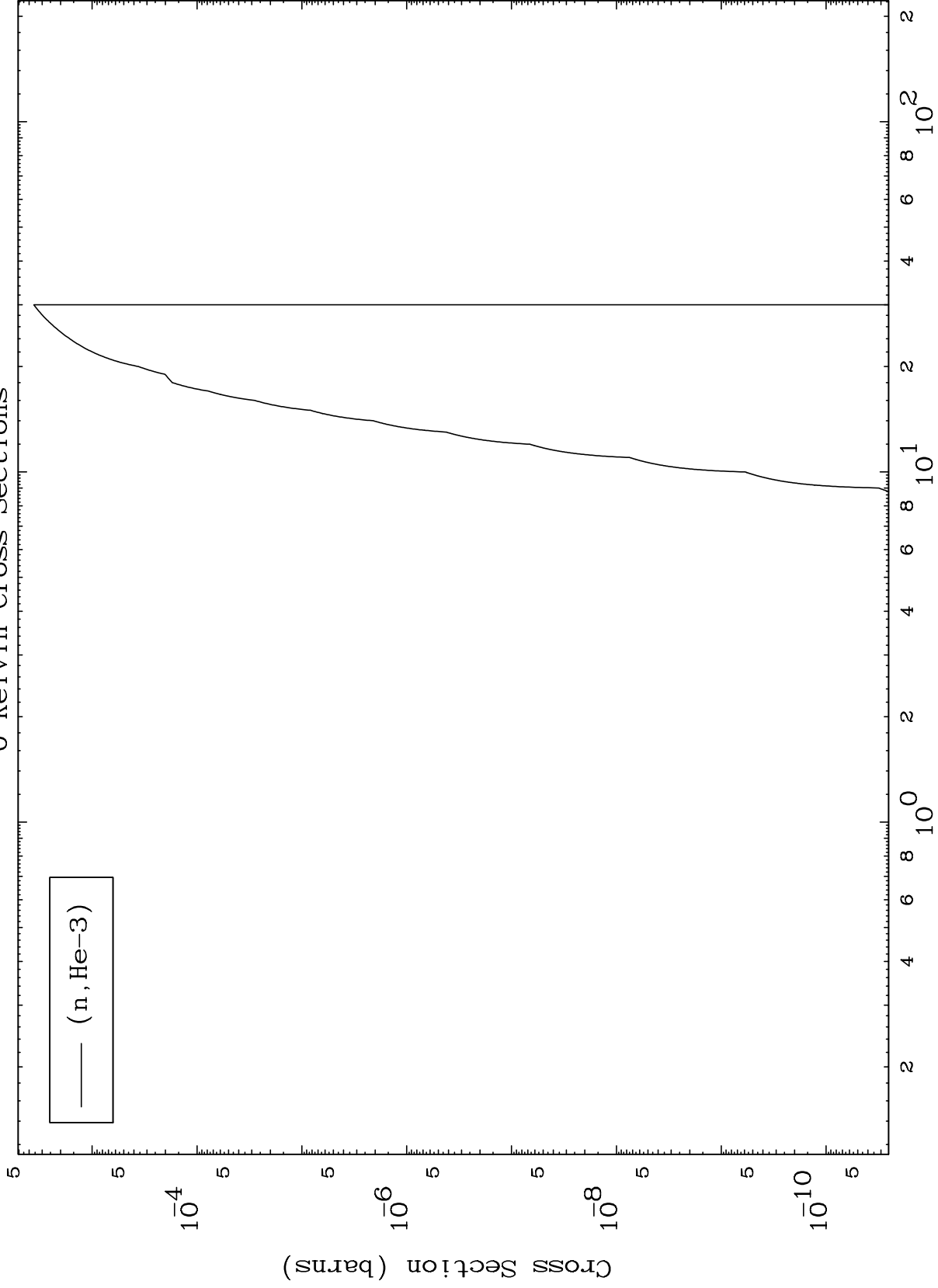
58-Ce-130

MAT 5807

(d,He3) Levels

58-Ce-130

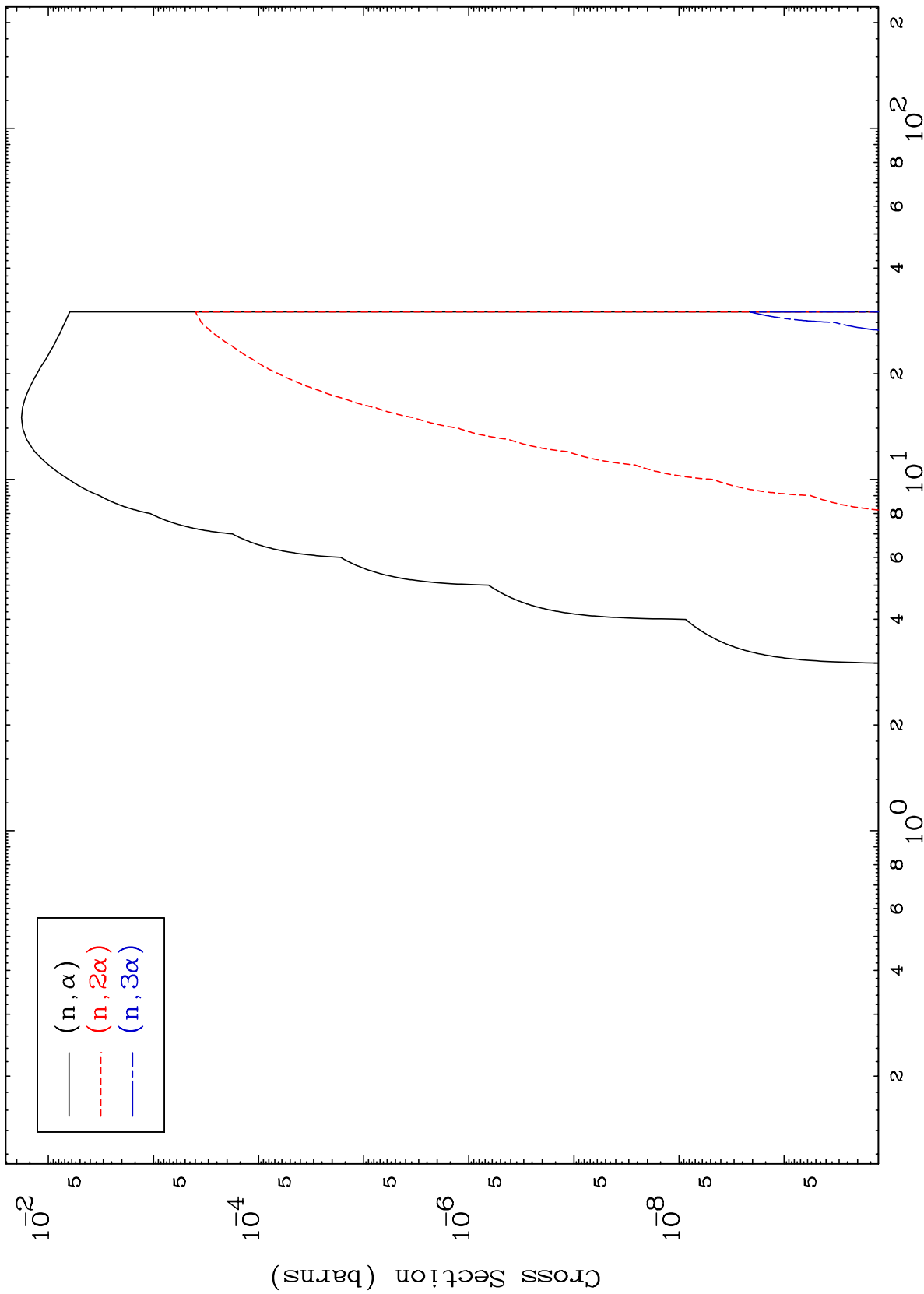
0 Kelvin Cross Sections



MAT 5807

58-Ce-130

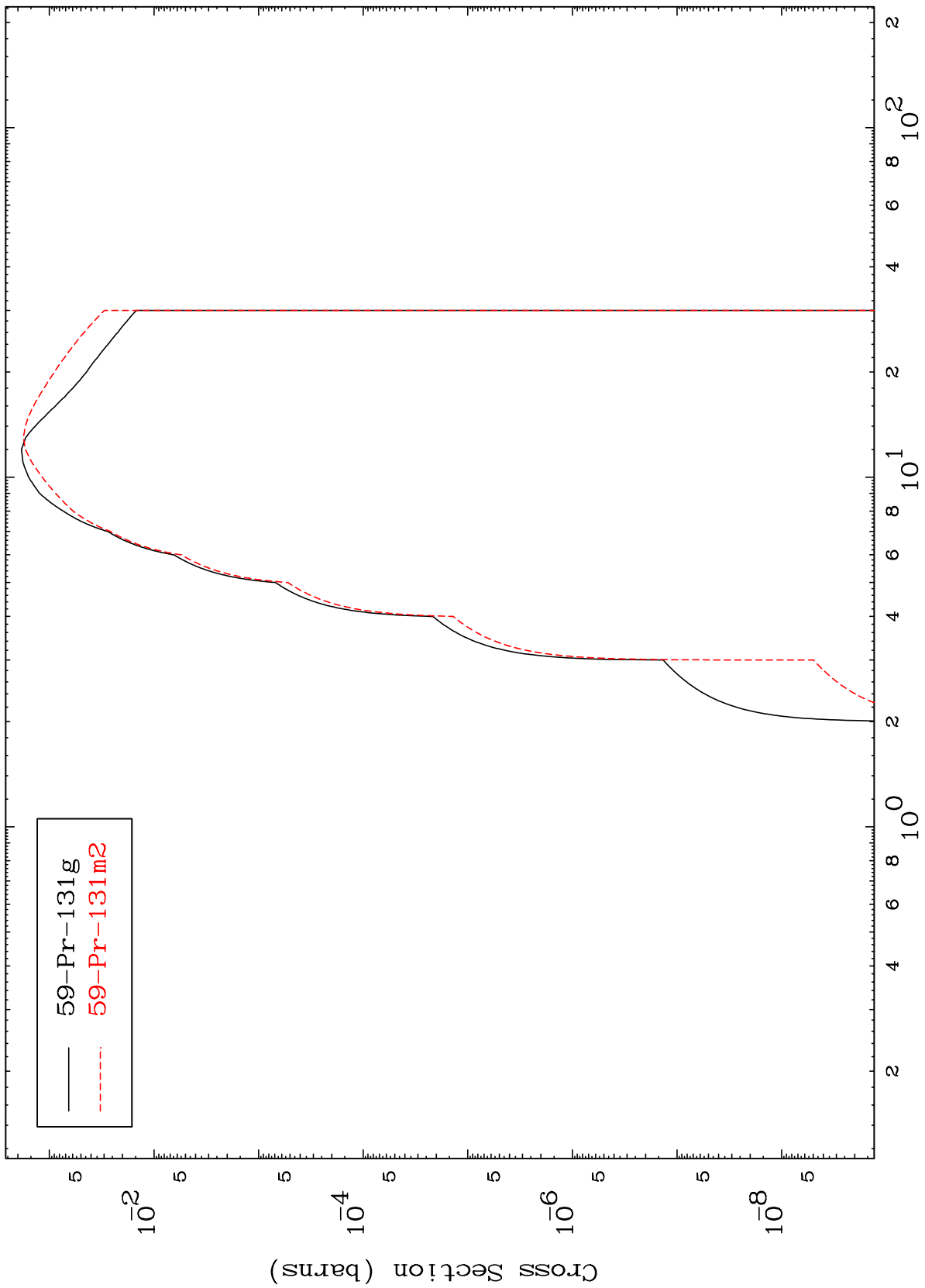
(d, α) Levels
0 Kelvin Cross Sections



MAT 5807

58-Ce-130

Inelastic
Radionuclide Production Cross Section



58-Ce-130

Incident Energy (MeV)

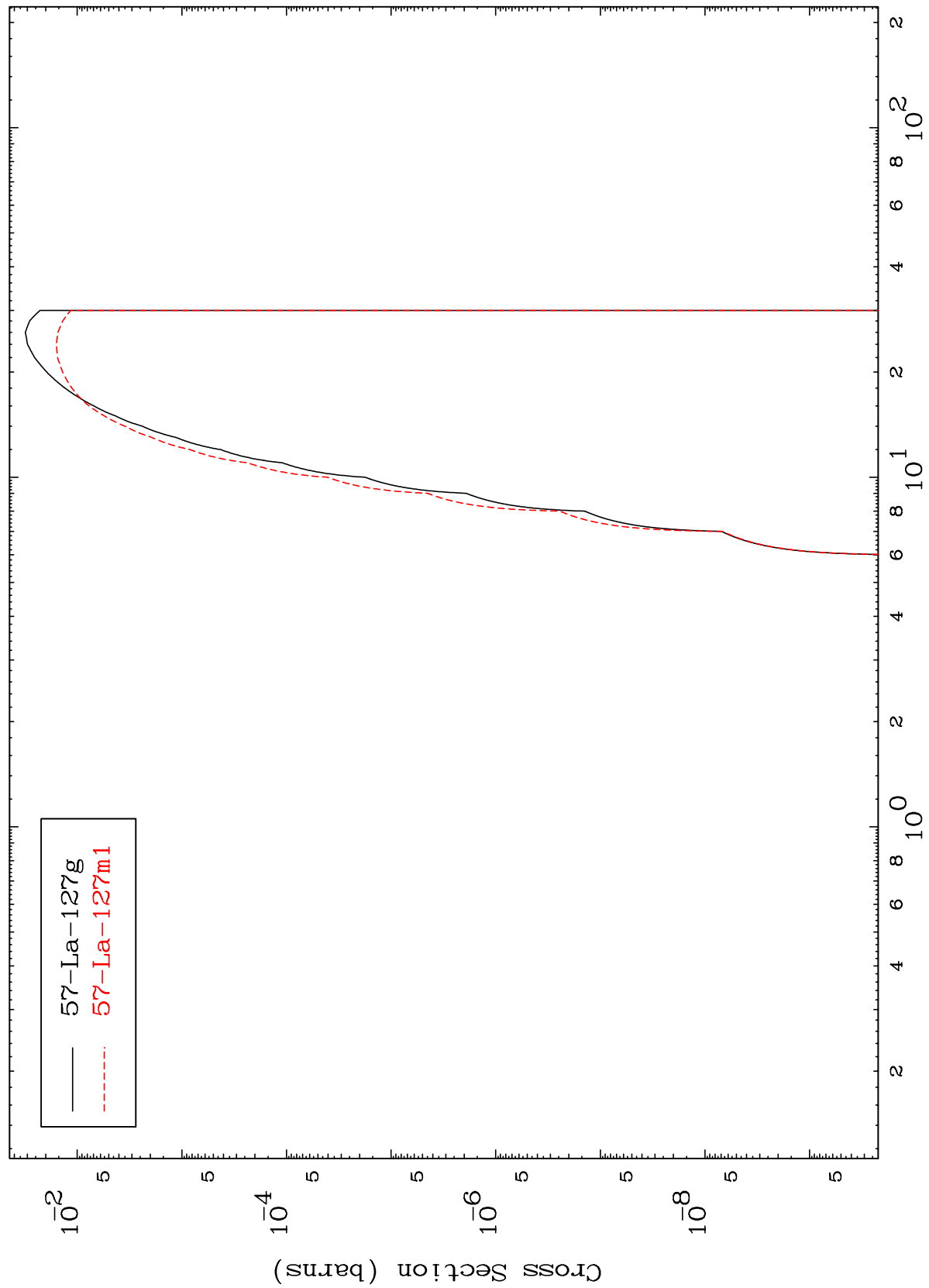
13

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$(n, n') \alpha$

58-Ce-130

Radionuclide Production Cross Section



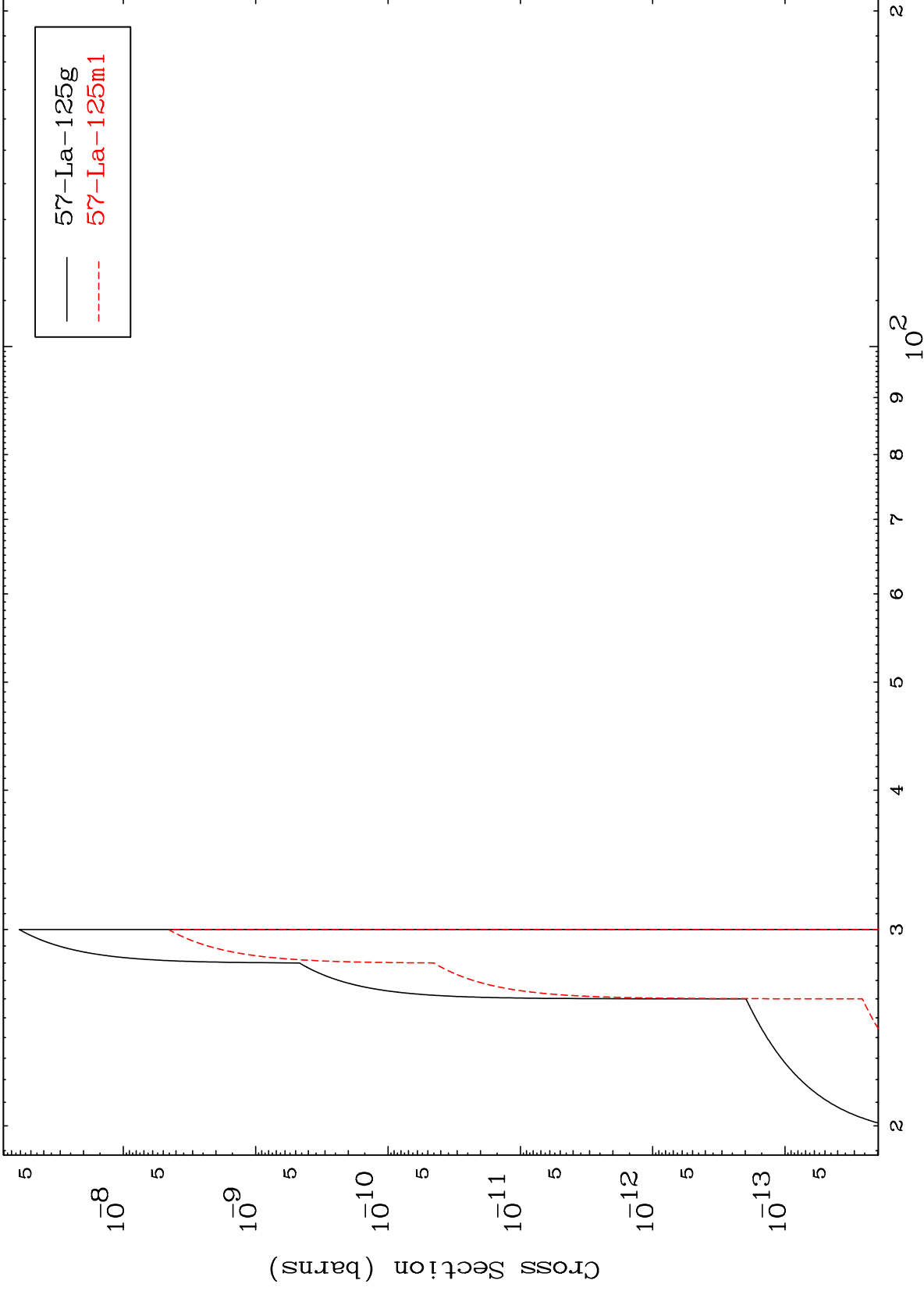
— 57-La-127g
- - - 57-La-127m1

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(n,3n) α

58-Ce-130

Radionuclide Production Cross Section



15

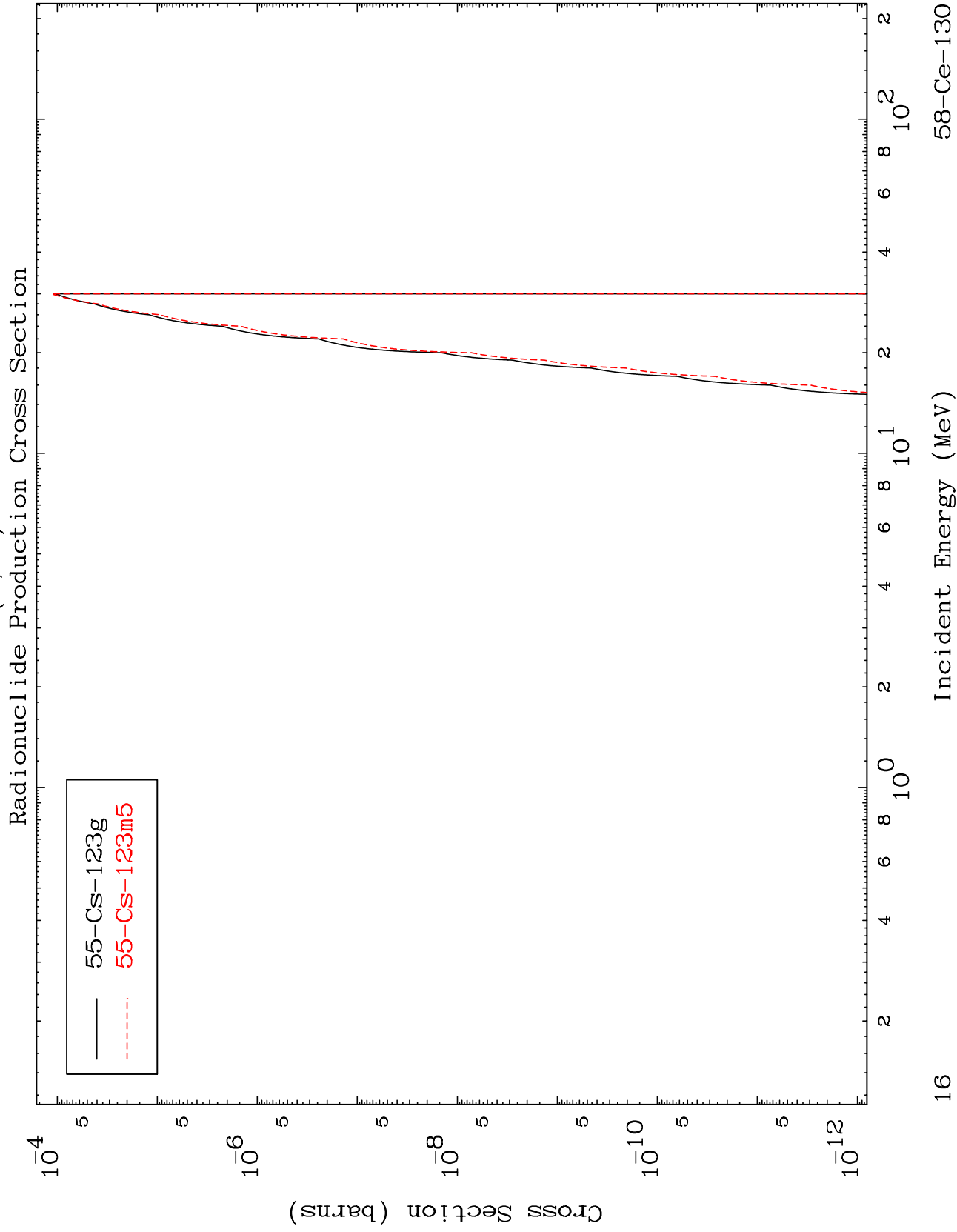
Incident Energy (MeV)

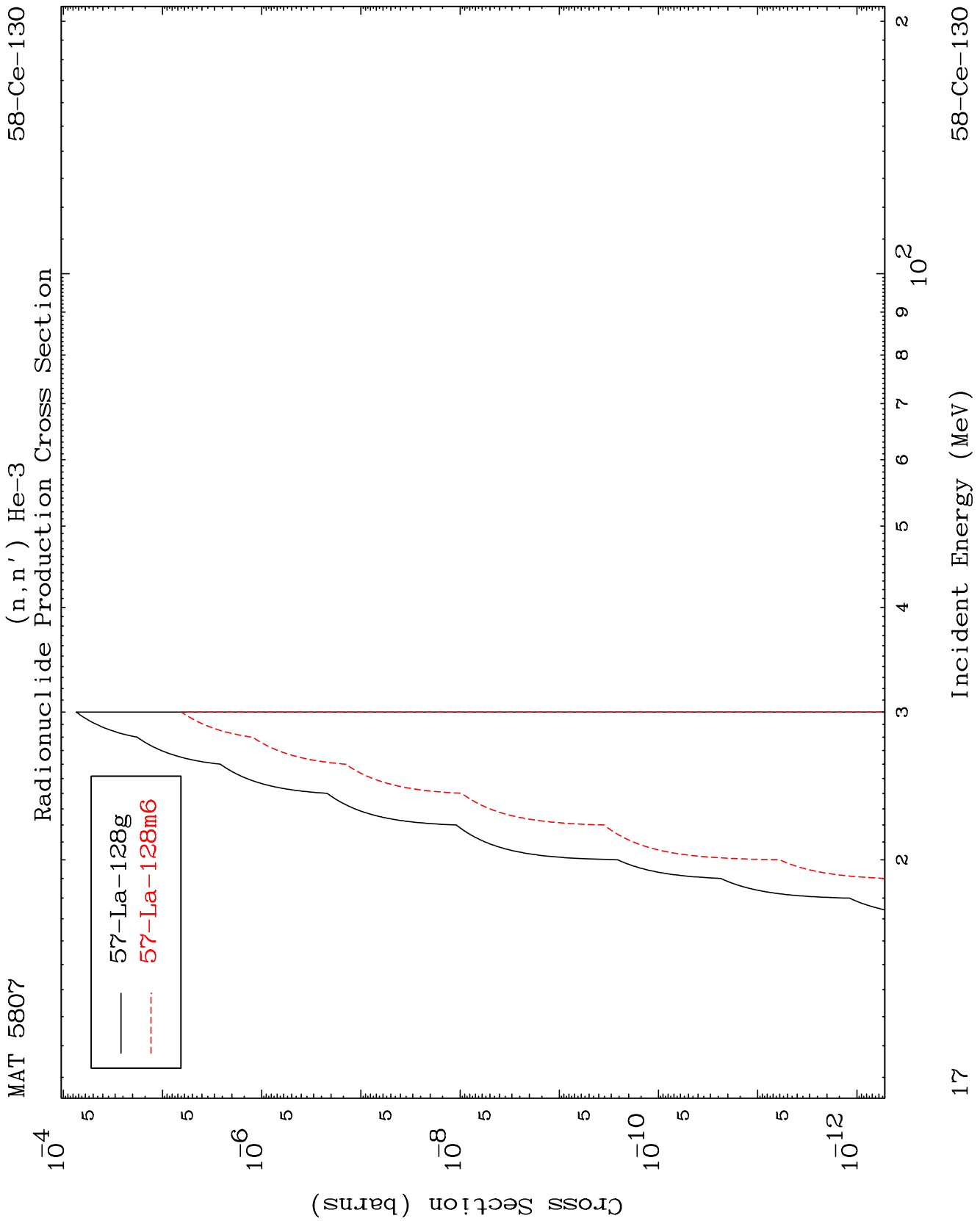
58-Ce-130

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(n,n') 2α

58-Ce-130



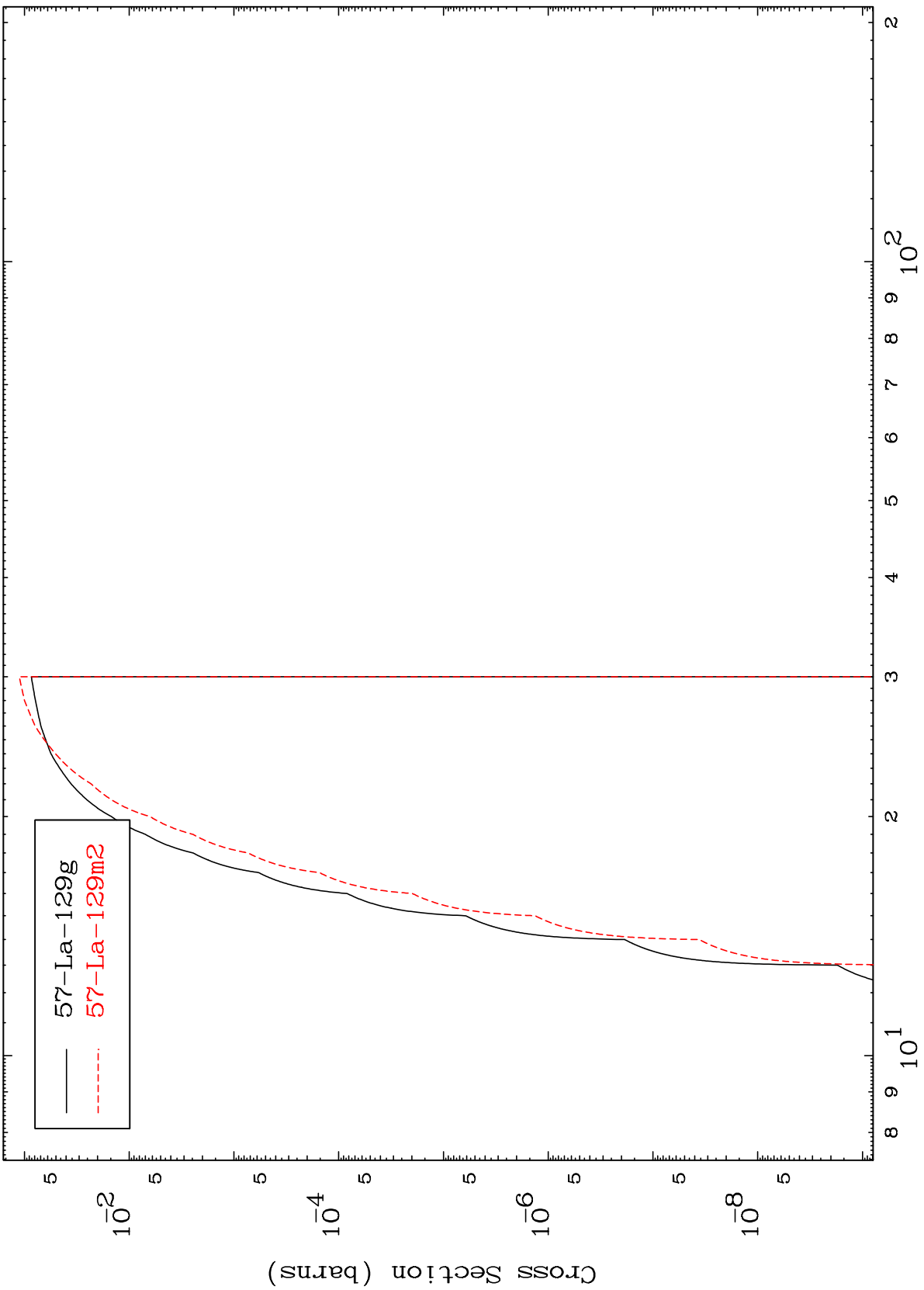


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(n,2n) p

58-Ce-130

Radionuclide Production Cross Section



18

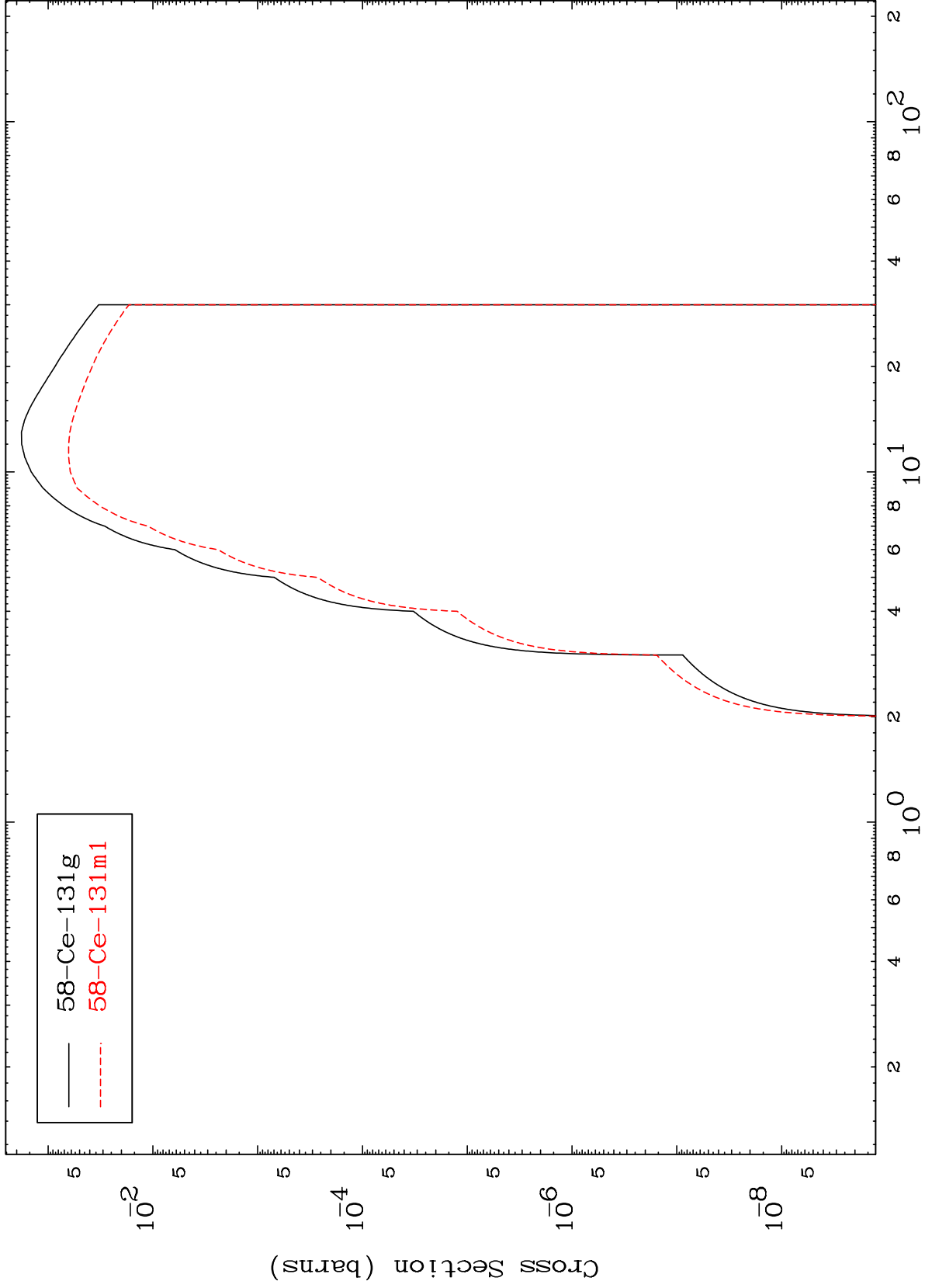
Incident Energy (MeV)

58-Ce-130

MAT 5807

58-Ce-130

(n,p)
Radionuclide Production Cross Section



19

58-Ce-130

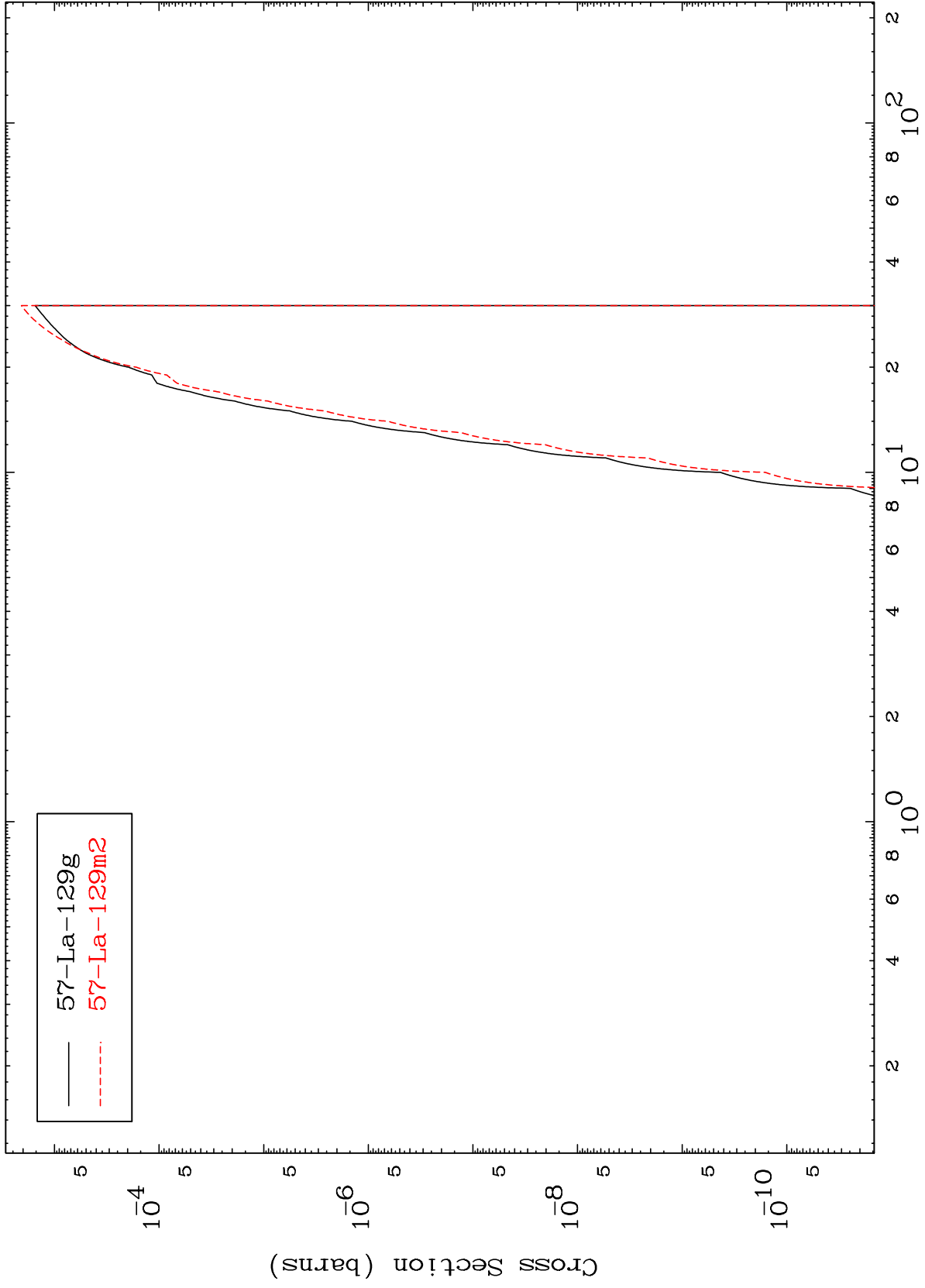
Incident Energy (MeV)

MAT 5807

(n,He-3)

58-Ce-130

Radionuclide Production Cross Section



20

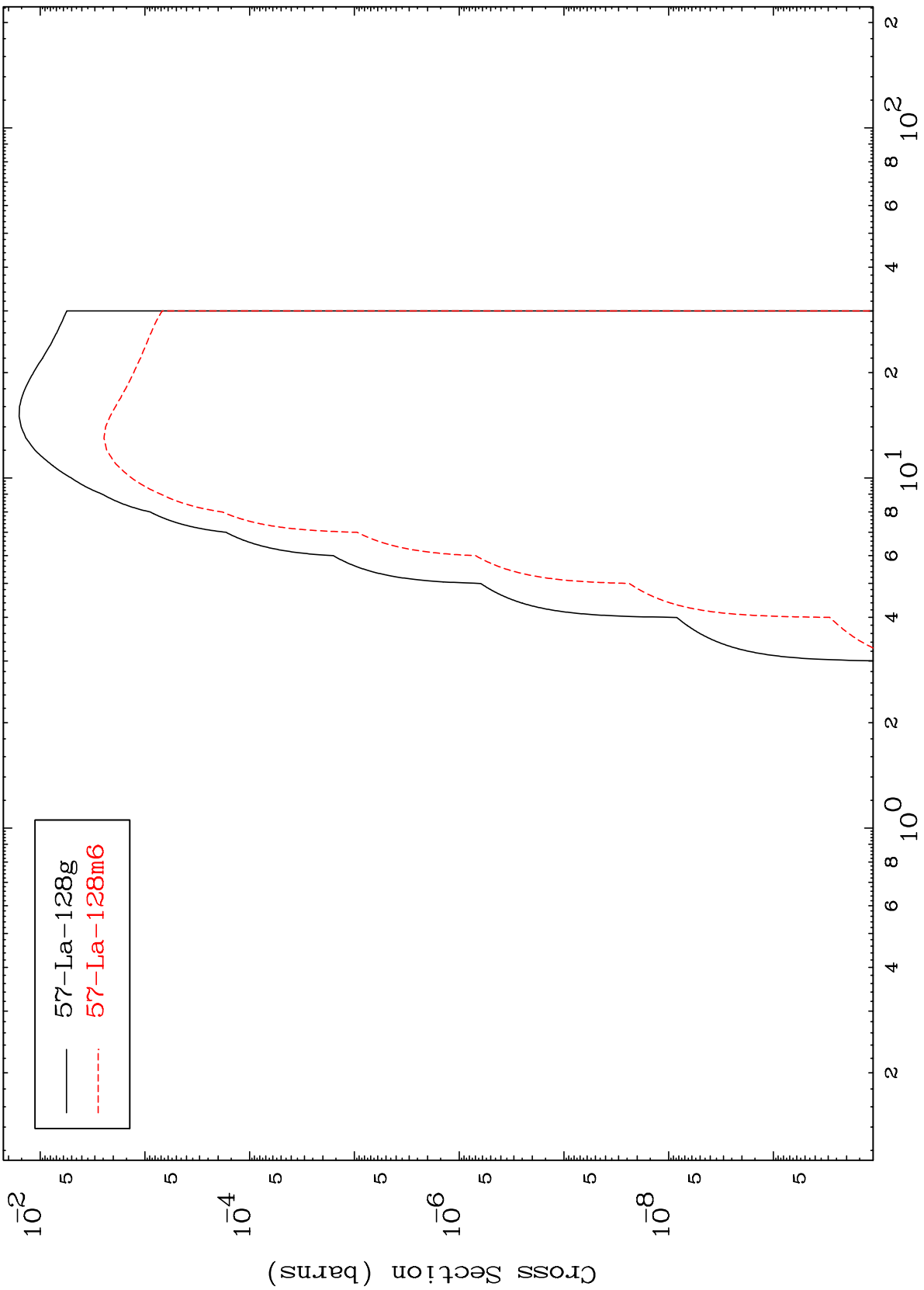
Incident Energy (MeV)

58-Ce-130

MAT 5807

58-Ce-130

(n, α)
Radionuclide Production Cross Section



— 57-La-128g
- - - 57-La-128m6

58-Ce-130

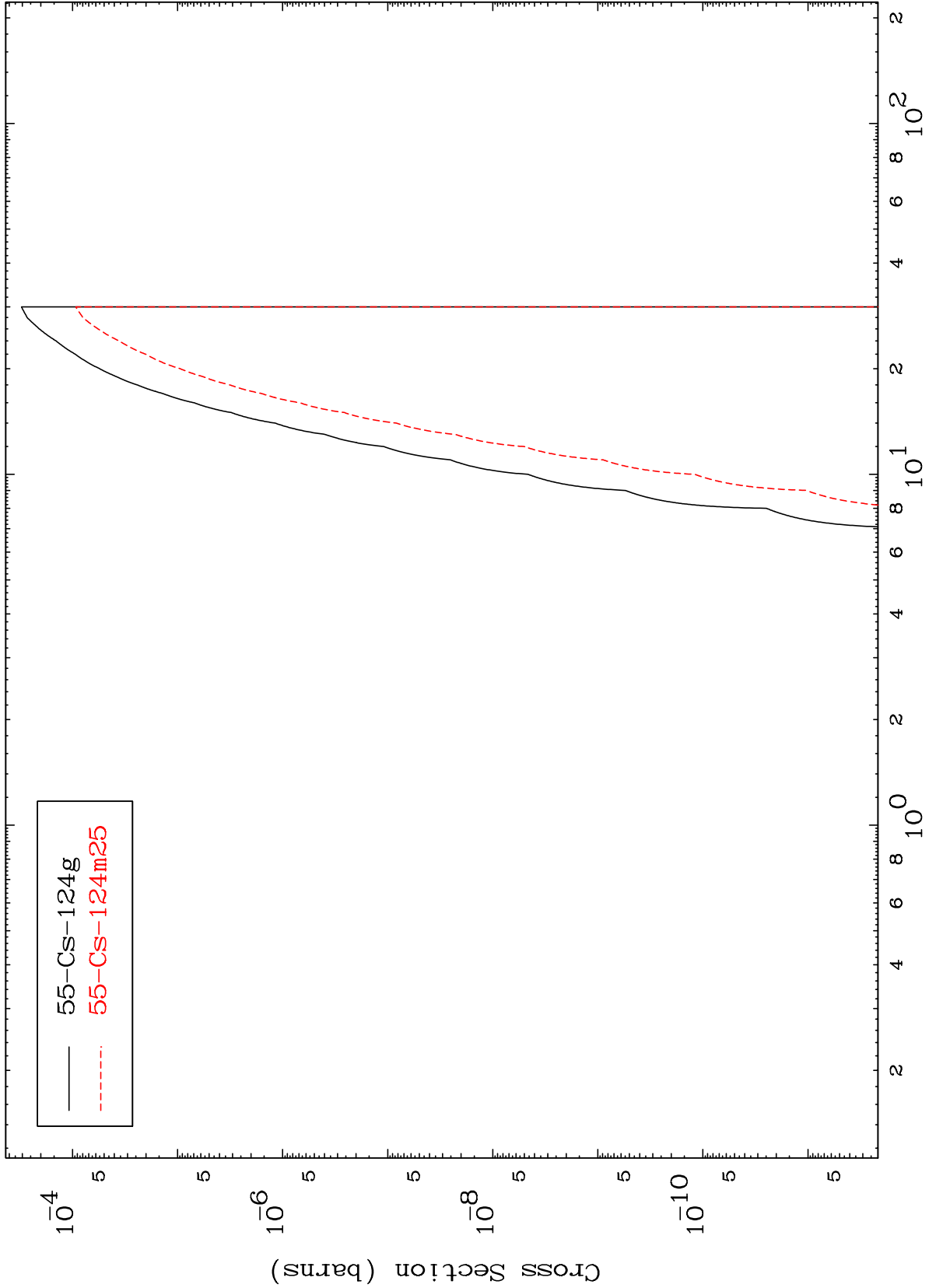
Incident Energy (MeV)

MAT 5807

(n,2α)

58-Ce-130

Radionuclide Production Cross Section



55-Cs-124g
55-Cs-124m25

Incident Energy (MeV)

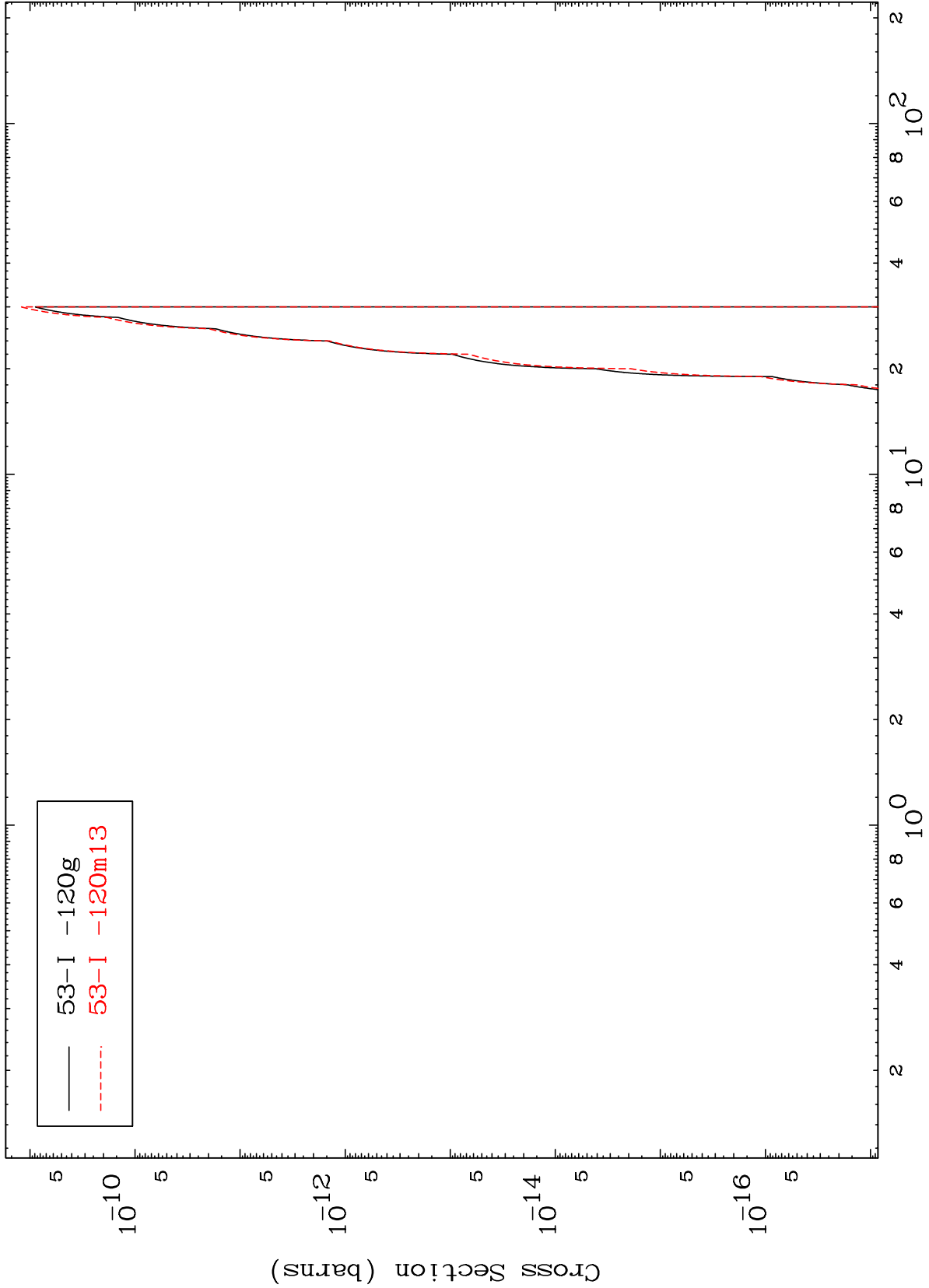
58-Ce-130

MAT 5807

(n,3 α)

58-Ce-130

Radionuclide Production Cross Section

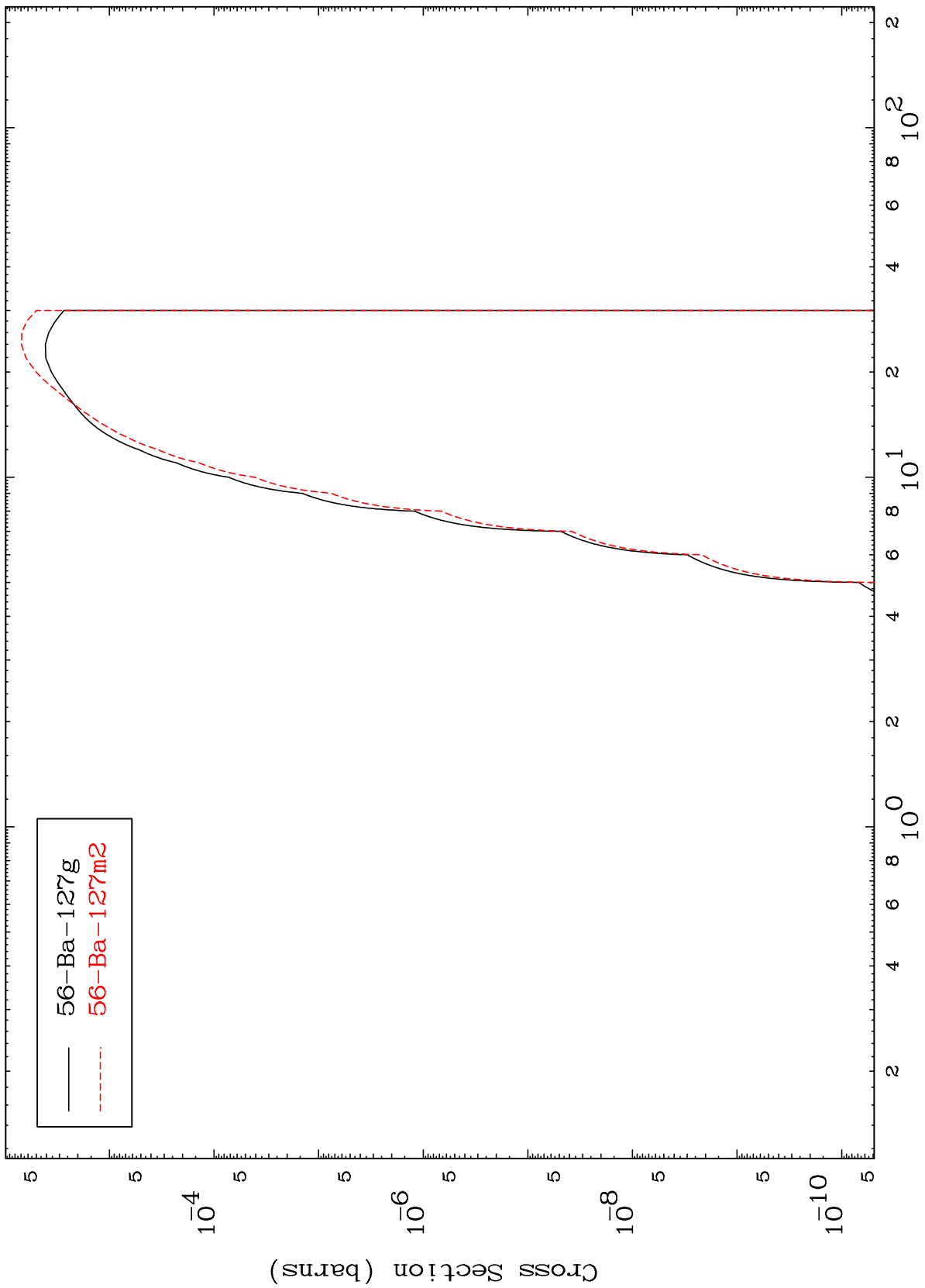


MAT 5807

(n,p) α

58-Ce-130

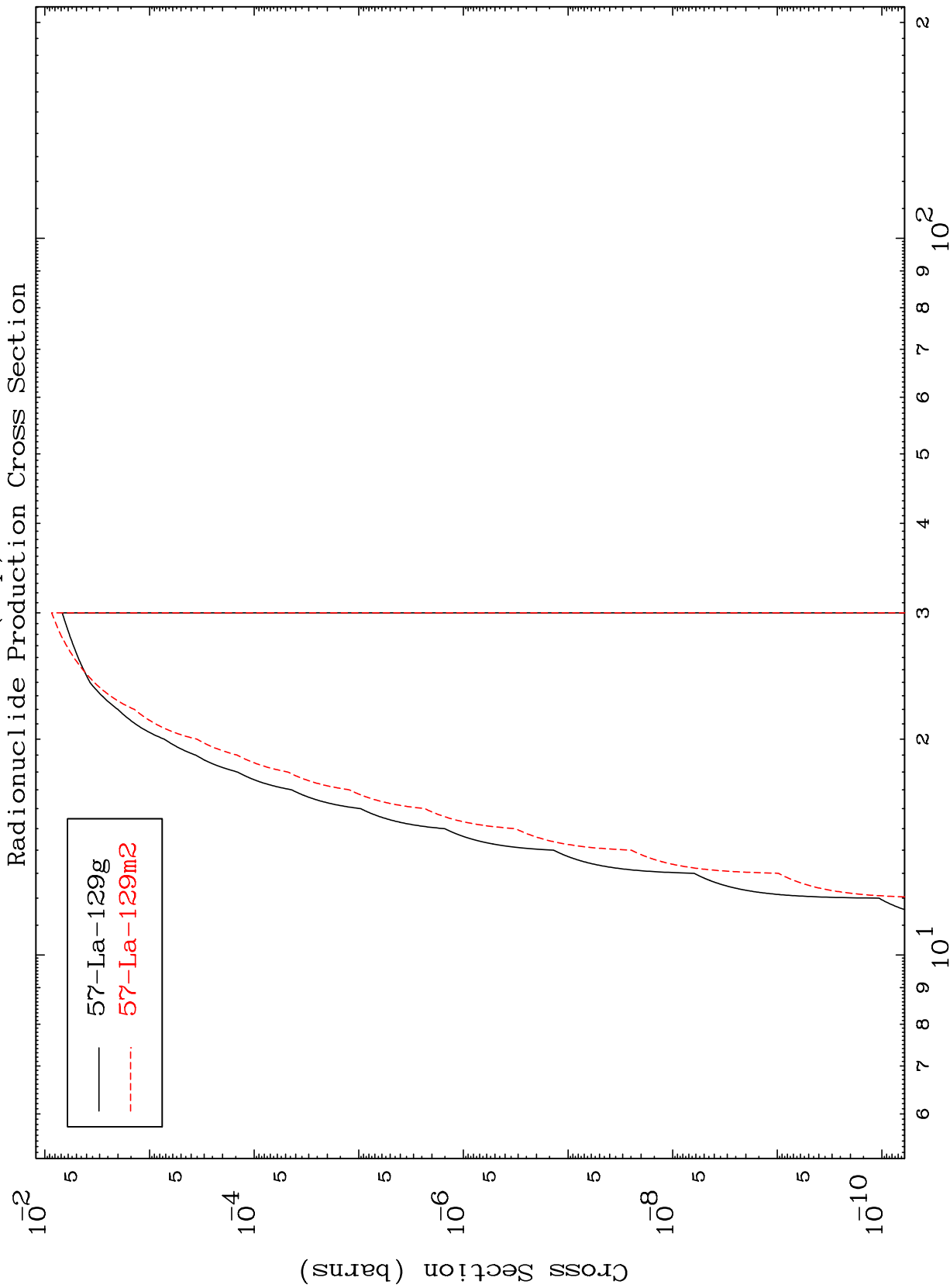
Radionuclide Production Cross Section



MAT 5807

(n,p) d

58-Ce-130



25

Incident Energy (MeV)

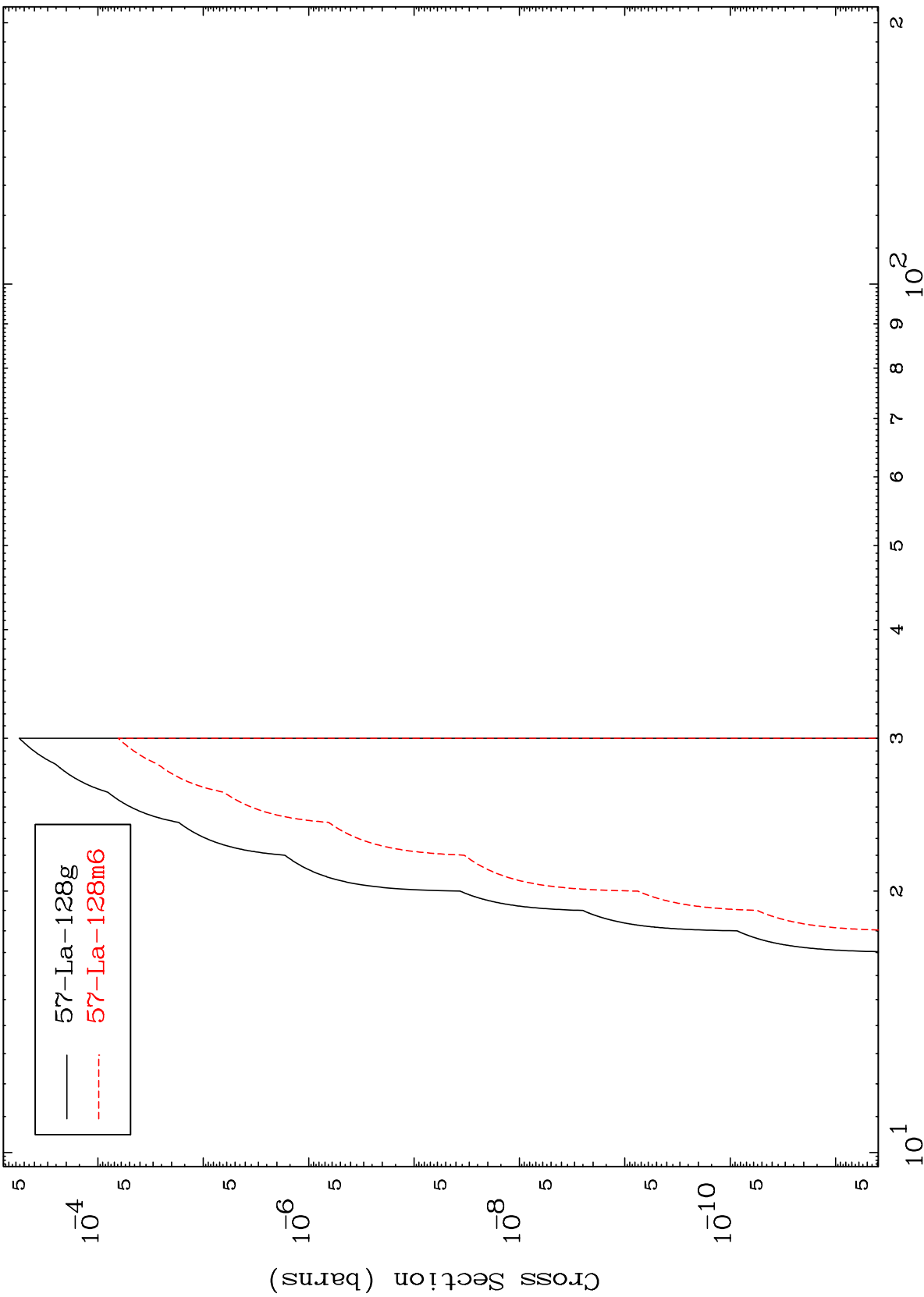
58-Ce-130

MAT 5807

(n,p) t

58-Ce-130

Radionuclide Production Cross Section



57-La-128g
57-La-128m6

Incident Energy (MeV)

58-Ce-130

26